

---

Subject: How do I know which IP packet is for which container in kernel space

Posted by [niu xinli](#) on Wed, 06 Apr 2011 14:55:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

I need to build a virtual network to test our program. We used Xen before migrating them to openvz. There are some patches I should make to the kernel.

In net/ipv4/ip\_output.c, before the packet is sent out, we need to do some operations on the packet. The problem is , I don't know the packet belongs to which openvz node. It would be easy to distinguish them in user space but we need to know them in kernel space.

Is there some data structure in kernel space containing this kind of information. Please give me some suggestions! Thanks a lot!

---

---

Subject: Re: How do I know which IP packet is for which container in kernel space

Posted by [Kirill Korotaev](#) on Wed, 06 Apr 2011 15:14:12 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Check `venet_xmit()` and `veth_xmit()`.

These functions are called on boundaries host/VE and have context for `skb` in hands.

On Apr 6, 2011, at 18:55 , niu xinli wrote:

> Hi,

> I need to build a virtual network to test our program. We used Xen before migrating them to openvz. There are some patches I should make to the kernel.

> In net/ipv4/ip\_output.c, before the packet is sent out, we need to do some operations on the packet. The problem is , I don't know the packet belongs to which openvz node. It would be easy to distinguish them in user space but we need to know them in kernel space.

> Is there some data structure in kernel space containing this kind of information. Please give me some suggestions! Thanks a lot!

> <ATT00001..c>

---